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VOLUME EQUATIONS FOR YOUNG GROWTH  
SOFTWOOD SPECIES AT  
MOUNTAIN HOME DEMONSTRATION STATE FOREST

Abstract

Standard volume equations and tables, and local volume tables were developed for ponderosa pine (*Pinus ponderosa* Laws), sugar pine (*Pinus lambertiana* Dougl.), incense cedar (*Libocedrus decurrens* Torr.) and white fir (*Abies concolor* Gord. & Glend.) in Mountain Home Demonstration State Forest. For all species, local and standard equations were developed for total volume in cubic feet, and merchantable volume in Scribner board feet based on both total height and the number of 16 foot logs.

A total of 40 or more trees were measured for each species from stands representing a broad range of environmental, topographical and site quality conditions found on the forest. The sample trees were also chosen to represent a broad range of sizes from 10 inches to almost 50 inches at dbh and heights from 30 feet to over 170 feet.